

03050206-060
(Dean Swamp)

General Description

Watershed 03050206-060 is located in Orangeburg and Berkeley Counties and consists primarily of *Dean Swamp* and its tributaries. The watershed occupies 67,812 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Rains-Lynchburg-Goldsboro-Hobcaw series. The erodibility of the soil (K) averages 0.17; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 0.40% urban land, 21.65% agricultural land, 10.99% scrub/shrub land, 0.25% barren land, 59.26% forested land, 7.16% forested wetland (swamp), 0.28% nonforested wetland (marsh), and 0.01% water.

Sandy Run (Moon Savanna) originates near the Town of Eutawville and accepts the drainage of Cedar Swamp (Toney Bay) before merging with Black Creek (Little Black Creek) to form Dean Swamp, which also accepts the drainage of Briner Branch before draining into Four Hole Swamp. There are a total of 102.9 stream miles in this watershed, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-596	BIO	FW	CEDAR SWAMP AT CEMENT BRIDGE RD OFF SR 640
E-030	W	FW	DEAN SWAMP AT US 176

Dean Swamp (E-030) - This stream was Class B until April, 1992. Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Natural conditions in this stream may have contributed to the observed low dissolved oxygen values. Recreational uses are partially supported due to fecal coliform bacteria excursions.

Cedar Swamp (E-596) - This stream was Class B until April, 1992. Aquatic life uses are fully supported based on macroinvertebrate community data.

A fish consumption advisory has been issued by the Department for mercury and includes the streams within this watershed (see advisory p.31).

Permitted Activities

Point Source Contributions

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT</i>	<i>NPDES# TYPE LIMITATION</i>
SANDY RUN MARTIN MARIETTA/ORANGEBURG PIPE #: 001 FLOW: M/R	SC0042862 MINOR INDUSTRIAL EFFLUENT
SANDY RUN TRIBUTARY FRIGIDAIRE HOME PRODUCTS PIPE #: 001-005 FLOW: M/R	SCG250130 MINOR INDUSTRIAL EFFLUENT
BRINER BRANCH	SC0043087

CHEVRON FOOD MART/HOLLY HILL
PIPE #: 001 FLOW: 0.036
WQL FOR BOD5, TOXICS

MINOR INDUSTRIAL
WATER QUALITY

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

MARTIN MARIETTA AGGREGATES
BERKELEY QUARRY

0098-08
LIMESTONE

SOUTHERN AGGREGATES
ORANGEBURG QUARRY

0802-38
LIMESTONE

Growth Potential

There is a low potential for growth in this watershed. A rail line and S.C. Highway 453 runs from the City of Holly Hill to the Town of Eutawville. This road is bisected by U.S. Highway 176 in the City of Holly Hill.